

ACCELERATION-BASED THEFT DETECTION SYSTEM FOR PORTABLE ELECTRONIC DEVICES

ABSTRACT OF THE DISCLOSURE

[0035] A theft prevention system for protecting portable electronic devices is disclosed. An acceleration sensor detects the acceleration of a portable electronic device, and a controller analyzes this acceleration to determine whether a theft condition is present. If so, an alarm can be initiated. The theft prevention system can include a filter for attenuating irrelevant acceleration frequencies and isolating those representative of theft, and comparison hardware/software for determining whether the detected acceleration matches a known acceleration profile characteristic of theft. Various parameters of the theft prevention system can also be set by a user through mechanisms such as a graphical user interface.